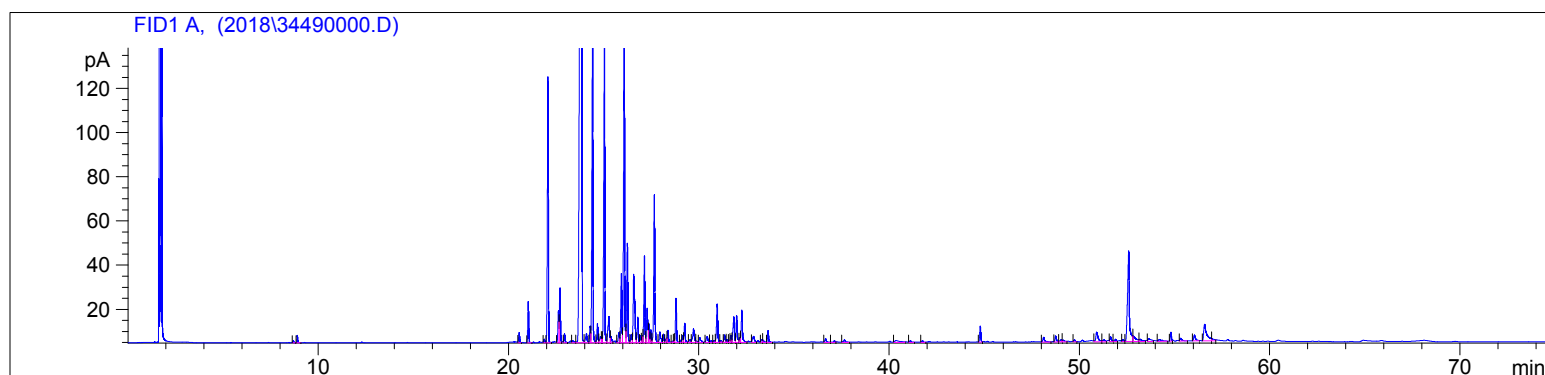


Copaiba (Organic)  
3449-JJZHX  
Brazil  
copaifera reticulate  
Sample/Solvent: 0.06g/0.66g  
Injection: 0.2uL  
15:1 Split Ratio

HP-5 5% Phenyl Methyl Siloxane  
30.000m  
250.000um  
0.250um

10/8/2018 3:05:04 PM  
10/8/2018 3:05:04 PM

10/22/2018  
1:58:00 PM



#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
1	1,8-cineol	8.68	100.00	3.28	1.08	3.28	0.04
2	cis-beta ocimene	8.91	100.00	10.12	3.44	10.12	0.12
3	delta elemene	20.57	100.00	17.04	4.66	17.04	0.20
4	alpha cubebene	21.05	100.00	63.68	18.58	63.68	0.74
5		21.89	100.00	6.40	1.58	6.40	0.07
6	alpha copaene	22.09	100.00	433.57	120.02	433.57	5.06
7		22.63	100.00	51.77	14.61	51.77	0.60
8	beta elemene	22.71	100.00	91.13	24.69	91.13	1.06
9		22.95	100.00	15.55	3.98	15.55	0.18
10		23.37	100.00	7.52	0.93	7.52	0.09
11	beta caryophyllene	23.86	100.00	3641.84	585.75	3641.84	42.48
12		24.10	100.00	23.17	4.10	23.17	0.27
13		24.30	100.00	25.60	7.45	25.60	0.30
14	trans-alpha bergamotene	24.42	100.00	534.26	141.86	534.26	6.23
15		24.68	100.00	31.89	8.60	31.89	0.37
16		24.84	100.00	13.53	2.72	13.53	0.16
17		24.91	100.00	7.45	2.18	7.45	0.09
18	alpha humulene	25.05	100.00	508.37	135.13	508.37	5.93
19	all-aromadendrene	25.29	100.00	65.96	11.75	65.96	0.77
20		25.37	100.00	14.40	2.95	14.40	0.17
21		25.81	100.00	19.21	4.39	19.21	0.22
22	gamma muurolene	25.94	100.00	123.39	31.27	123.39	1.44
23	germacrene D	26.09	100.00	546.50	138.33	546.50	6.37
24	beta selinene	26.25	100.00	182.52	44.90	182.52	2.13
25	beta guaiene	26.45	100.00	14.53	3.58	14.53	0.17
26	alpha selinene	26.59	100.00	172.89	30.92	172.89	2.02
27	alpha muurolene	26.81	100.00	46.14	11.48	46.14	0.54
28		26.93	100.00	12.69	3.22	12.69	0.15
29		27.05	100.00	10.60	3.08	10.60	0.12
30	beta bisabolene	27.15	100.00	144.49	39.16	144.49	1.69
31	gamma cadinene	27.30	100.00	67.32	15.61	67.32	0.79
32		27.38	100.00	31.79	8.67	31.79	0.37
33		27.49	100.00	21.19	5.79	21.19	0.25
34	delta cadinene	27.67	100.00	269.87	66.82	269.87	3.15
35	trans-gamma bisabolene	27.97	100.00	25.52	4.87	25.52	0.30
36		28.15	100.00	14.55	3.81	14.55	0.17

Copaiba (Organic)  
3449-JJZHX  
Brazil  
copaifera reticulata  
Sample/Solvent: 0.06g/0.66g  
Injection: 0.2uL  
15:1 Split Ratio

HP-5 5% Phenyl Methyl Siloxane  
30.000m  
250.000um  
0.250um

10/8/2018 3:05:04 PM  
10/8/2018 3:05:04 PM

10/22/2018  
1:58:00 PM

#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
37		28.32	100.00	10.03	2.04	10.03	0.12
38	alpha cadinene	28.39	100.00	23.68	5.52	23.68	0.28
39		28.65	100.00	3.22	0.75	3.22	0.04
40		28.71	100.00	3.02	0.93	3.02	0.04
41	germacrene B	28.81	100.00	77.08	20.00	77.08	0.90
42		29.06	100.00	4.48	1.14	4.48	0.05
43		29.16	100.00	12.42	3.09	12.42	0.14
44		29.27	100.00	34.40	8.76	34.40	0.40
45		29.56	100.00	7.33	1.36	7.33	0.09
46	caryophyllene oxide	29.73	100.00	37.28	6.22	37.28	0.43
47		29.87	100.00	4.63	0.75	4.63	0.05
48		30.06	100.00	14.05	2.29	14.05	0.16
49		30.45	100.00	17.61	2.63	17.61	0.21
50		30.66	100.00	5.27	0.94	5.27	0.06
51		30.81	100.00	4.73	0.93	4.73	0.06
52		30.97	100.00	79.21	17.48	79.21	0.92
53		31.16	100.00	4.90	0.94	4.90	0.06
54		31.36	100.00	15.64	3.38	15.64	0.18
55		31.49	100.00	6.51	1.36	6.51	0.08
56		31.61	100.00	3.58	0.97	3.58	0.04
57		31.69	100.00	13.23	3.18	13.23	0.15
58	epi-alpha cadinol	31.85	100.00	58.50	11.67	58.50	0.68
59	cubenol	32.00	100.00	50.93	12.00	50.93	0.59
60		32.17	100.00	8.05	2.19	8.05	0.09
61	alpha cadinol	32.27	100.00	70.39	14.67	70.39	0.82
62		32.88	100.00	20.94	2.80	20.94	0.24
63		33.32	100.00	5.30	1.29	5.30	0.06
64		33.38	100.00	6.52	1.12	6.52	0.08
65		33.65	100.00	22.75	5.34	22.75	0.27
66		36.67	100.00	10.19	1.73	10.19	0.12
67		37.13	100.00	5.03	0.78	5.03	0.06
68		37.66	100.00	10.03	1.14	10.03	0.12
69		40.37	100.00	15.13	0.85	15.13	0.18
70		41.13	100.00	4.97	0.77	4.97	0.06
71		41.76	100.00	3.93	0.77	3.93	0.05
72		44.80	100.00	28.79	7.21	28.79	0.34
73		48.13	100.00	14.57	2.26	14.57	0.17
74		48.76	100.00	14.69	2.65	14.69	0.17
75		49.05	100.00	6.73	0.99	6.73	0.08
76		49.15	100.00	7.85	0.90	7.85	0.09
77		49.75	100.00	4.65	0.85	4.65	0.05
78		50.92	100.00	36.37	4.30	36.37	0.42
79		51.30	100.00	7.43	0.77	7.43	0.09
80		51.64	100.00	12.69	2.22	12.69	0.15
81		51.91	100.00	7.48	1.09	7.48	0.09
82		52.30	100.00	4.17	0.84	4.17	0.05
83		52.61	100.00	281.70	40.84	281.70	3.29
84		52.83	100.00	26.60	2.53	26.60	0.31
85		53.20	100.00	12.07	1.01	12.07	0.14
86		53.65	100.00	15.05	1.24	15.05	0.18
87		54.21	100.00	12.22	0.85	12.22	0.14
88		54.82	100.00	16.77	4.10	16.77	0.20
89		55.33	100.00	10.46	1.30	10.46	0.12
90		56.06	100.00	18.05	2.64	18.05	0.21
91		56.60	100.00	81.75	7.52	81.75	0.95

3449-JJZHX

Instrument 6890

C:\HPCHEM\2\DATA\2018\  
34490000.D

Copaiba (Organic)

HP-5 5% Phenyl Methyl Siloxane

3449-JJZHX

30.000m

Brazil

250.000um

copaifera reticulate

0.250um

Sample/Solvent: 0.06g/0.66g

Injection: 0.2uL

15:1 Split Ratio

10/8/2018 3:05:04 PM

10/22/2018

10/8/2018 3:05:04 PM

1:58:00 PM

#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
92		56.96	100.00	8.48	0.91	8.48	0.10





